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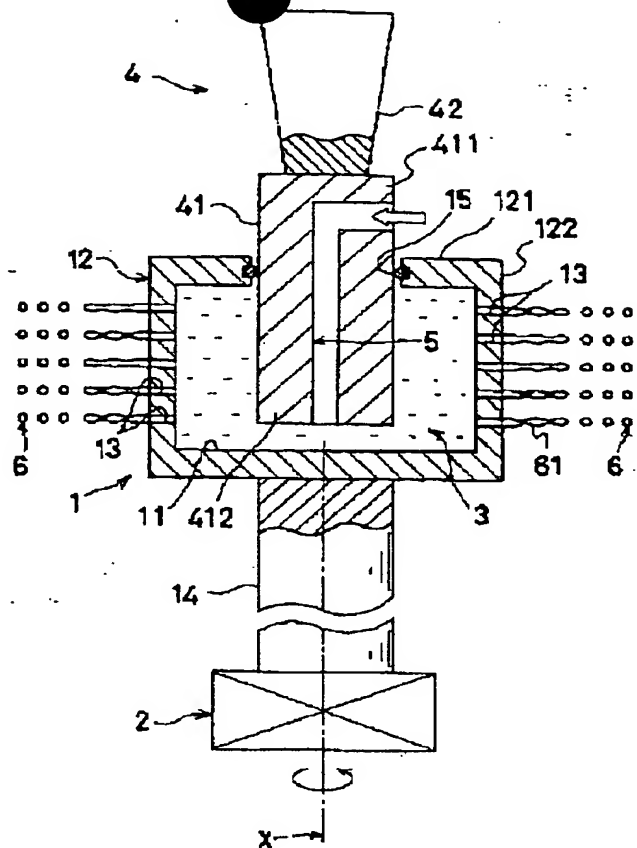
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APPLICANT : KOBE STEEL LTD;

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TITLE : FINE DROPLET FORMATION AND
DEVICE THEREFOR



ABSTRACT : PURPOSE: To provide fine droplet formation method and a device therefor where uniform droplets are surely formed even if they are of a fine diameter or the feed is viscous solution.

CONSTITUTION: Regular vibration is given to smooth flow liquid jet flowing out of orifice holes 13 and simultaneously while the smooth flow liquid jet is turned so that its jetting direction may be the radial one, droplets 6 are formed. A device for that is constituted by an atomizing head 1 where a liquid chamber 11 and the orifice holes 13 are formed inside and on a circumferential wall 122 respectively and which is arranged rotatably around a central shaft X, an exciter 4 for regularly vibrating the atomizing head 1 and a drive means 2 for turning the atomizing head 1.

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